Notice of Allowability	Application No.	Applicant(s)	
	10/034,898	HINES ET AL.	
	Examiner	Art Unit	
	Quynh H. Nguyen	2642	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *12/27/04*.

2. ☒ The allowed claim(s) is/are *1,6-14,16-19, and 21-22 renumbered as claims 1-16*.

3. ☒ The drawings filed on *21 July 2003* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 5/9/05
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Albert C. Metrailer on 05/09/05.

3. Claims 1, 6-12, 14, 18-19, and 21-22 have been amended as follows:

1. (Currently amended) A public switched telephone network service control point comprising:

a first subsystem;

a second subsystem;

a signaling system seven (SS7) control module coupled to the first subsystem and the second subsystem, the module receiving an outbound signaling system seven (SS7) message from the first subsystem and, if the destination for the outbound message is the second subsystem, internally converting the outbound message to an inbound signaling system seven (SS7) message and internally routing the inbound signaling system seven (SS7) message to the second subsystem;

whereby, the outbound message from the first subsystem is routed to the second subsystem without being routed over a signaling system seven (SS7) network.

6. (Currently amended) The public switched telephone network service control point of Claim 1 wherein:

the signaling system seven (SS7) control module checks the destination of the outbound message and then internally converts the message into an inbound message.

7. (Currently amended) The public switched telephone network service control point of Claim 6 wherein:

the signaling system seven (SS7) control module checks the destination of the outbound message by checking the destination signaling point code contained in the outbound message.

8. (Currently amended) The public switched telephone network service control point of Claim 1 further comprising:

a memory storing an inbound signaling system seven (SS7) message.

9. (Currently amended) The public switched telephone network service control point of Claim 1 further comprising;

a computer processor in which said first and second subsystems and said signaling system seven (SS7) control module operate.

10. (Currently amended) The public switched telephone network service control point of Claim 1 further comprising;

a first computer processor in which said first subsystem and said signaling system seven (SS7) control module operate, and

a second computer processor in which said second subsystem and said signaling system seven (SS7)control module operate.

11. (Currently amended) A public switched telephone network comprising:

a ~~plurality of~~ service control ~~points~~ point,

a plurality of subsystems operating in ~~each~~ the service control point, and

means for internally routing an outbound signaling system seven (SS7) message from a first subsystems in ~~a~~ the service control point to ~~other~~ a second subsystems in the same service control point, the second system being designated as a destination subsystem in the outbound message, without routing the outbound signaling system seven (SS7) message over a signaling system seven (SS7) network.

12. (Currently amended) The public switched telephone network according to Claim 11 wherein:

said subsystems residing in ~~each~~ the service control point are selected to maximize the likelihood that outbound signaling system seven (SS7) messages from a subsystem will have another subsystem in the same service control point as the destination subsystem.

13. (Original) The public switched telephone network according to Claim 12 further comprising:

a 911 service subsystem and a position determining entity subsystem residing at the same service control point.

14. (Currently amended) A method for managing signaling system seven (SS7) messages in a public switched telephone network service control point having a plurality of subsystems comprising:

checking the destination subsystem identified in an outbound signaling system seven (SS7) message and, if the destination subsystem resides in the same service control point, internally rerouting the message to the destination subsystem without routing the outbound signaling system seven (SS7) message over a signaling system seven (SS7) network.

16. (Previously presented) The method of Claim 14 further comprising:

comparing the signaling point code of the destination subsystem to the signaling point code of the subsystem sending the outbound message.

17. (Previously presented) The method of Claim 16 further comprising:

using a routing table to determine the signaling point code of the outbound message based on the subsystem number of the destination subsystem.

18. (Currently amended) The method of Claim 14 further comprising:

internally converting the outbound message to an inbound message.

19. (Currently amended) A method for managing signaling system seven (SS7) messages in a public switched telephone network service control point having at least two subsystems comprising:

coupling an inbound signaling system seven (SS7) message to a memory in the service control point and to a first subsystem in the same service control point designated as the destination subsystem in the inbound message,

processing said inbound signaling system seven (SS7) message with said first subsystem and updating the message stored in said memory to include the results of said processing, ~~and~~

using the stored and updated message to send an outbound signaling system seven (SS7) message from said first subsystem in the service control point to a second subsystem, and

comparing the network location of said first subsystem to the network location of said second subsystem, and if said locations are the same, internally routing said outbound signaling system seven (SS7) message to said second subsystem without routing the outbound signaling system seven (SS7) message over a signaling system seven (SS7) network.

21. (Currently amended) The method of Claim ~~20~~ 19 further comprising:

using a routing table to identify the signaling point code of said second subsystem.

22. (Currently amended) The method of Claim ~~20~~ 19 further comprising: internally converting said outbound message to an inbound message.

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